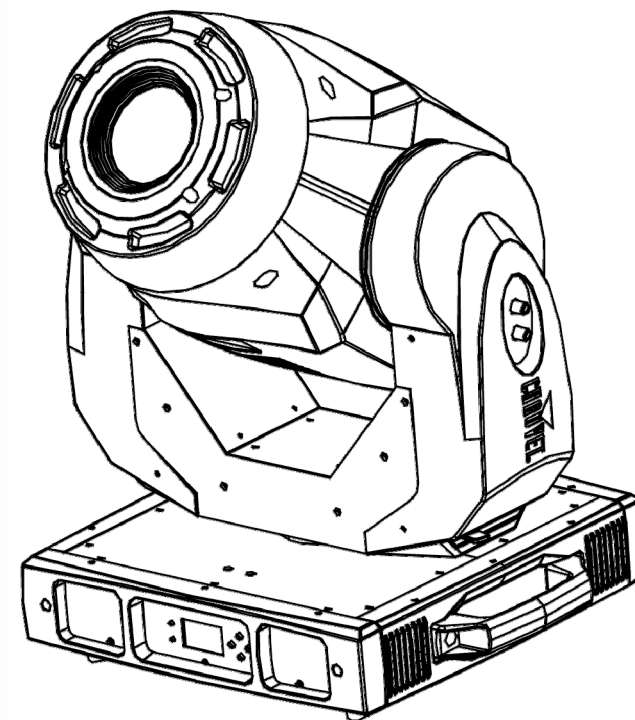




Quick Reference Guide



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Legend 300E Spot QRG – Rev. 01q

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About this Guide

The Legend 300E Spot Quick Reference Guide only contains the fixture's connection and mounting information as well as the menu options and the tables with the DMX values.

Disclaimers

- This Quick Reference Guide DOES NOT replace the product's user manual, which you can download from the CHAUVET® Web site (www.chauvetlighting.com).
- You must read ALL the disclaimers and safety notes in this document as well as those in the product's user manual before installing, operating, or maintaining this product.

Safety Notes

- DO NOT open this fixture unless instructed. It contains no user serviceable parts.
- DO NOT aim this fixture toward any surface closer than 16 feet (5 m). Otherwise, you may damage or overheat the illuminated surface.
- DO NOT aim this fixture toward the Sun. Otherwise, the lenses could concentrate the solar energy and cause internal overheating.
- DO NOT open this fixture within 15 minutes of turning it off to minimize the risk of lamp explosion.
- DO NOT touch the lamp without wearing safety gloves and goggles because it may explode.
- DO NOT look at the light source when this fixture is on.
- DO NOT touch the fixture when it is operating because it is very hot.
- DO NOT cover the ventilation slots when the fixture is operating to avoid internal overheating.
- DO NOT install or operate this fixture where there is less than 50 cm to the nearest surface to allow adequate ventilation around it.
- DO NOT leave any flammable material within 1 m from this fixture while operating or connected to the power outlet to minimize the risk of fire.
- DO NOT carry this fixture from the head; use the handles instead.
- DO NOT mount this fixture overhead without using a safety cable.
- DO NOT operate this fixture outdoors or in places where dust, excessive heat, water, or humidity may affect it.
- DO NOT operate this fixture if you see damage on the housing, lenses, ultraviolet filter, or cables; have the damaged parts replaced by an authorized technician at once.
- DO NOT connect this fixture to a dimmer or rheostat.
- ONLY connect this fixture to a grounded and protected circuit.

What is Included

- One Legend 300E Spot
- Three additional gobos
- Two omega clamps
- One Warranty Card
- One Quick Reference Guide

Continued from previous page

MODE 2 (Cont.)

Channel	Function	Value	Percent/Setting
28	Color Macro	000 ⇔ 007	Open
		008 ⇔ 028	Macro 1
		029 ⇔ 049	Macro 2
		050 ⇔ 069	Macro 3
		070 ⇔ 090	Macro 4
		091 ⇔ 110	Macro 5
		111 ⇔ 131	Macro 6
		132 ⇔ 152	Macro 7
		153 ⇔ 173	Macro 8
		174 ⇔ 194	Macro 9
		195 ⇔ 215	Macro 10
		216 ⇔ 235	Macro 11
		236 ⇔ 255	Macro 12
29	Function	000 ⇔ 069	No function
		070 ⇔ 079	Enable BO during Pan or Tilt
		080 ⇔ 089	Disable BO during Pan or Tilt
		090 ⇔ 099	Enable BO during color change
		100 ⇔ 109	Disable BO during color change
		110 ⇔ 119	Enable BO during gobo change
		120 ⇔ 129	Disable BO during gobo change
		130 ⇔ 139	Lamp on
		140 ⇔ 149	Pan / Tilt reset
		150 ⇔ 159	Color / CMY reset
		160 ⇔ 169	Gobo 1 / Gobo 2 reset
		170 ⇔ 179	Shutter reset
		180 ⇔ 189	Focus / zoom / prism / frost reset
		190 ⇔ 199	Iris / flatb reset
		200 ⇔ 209	Reset all
		210 ⇔ 229	No function
		230 ⇔ 239	Lamp off
		240 ⇔ 249	Enable Flatb
		250 ⇔ 255	Disable Flatb

End of Mode 2

Continued from previous page

MODE 2 (Cont.)	Channel	Function	Value	Percent/Setting
	25	Pan/Tilt Macro	000 ⇄ 007	Off
			008 ⇄ 015	Macro 1
			016 ⇄ 023	Macro 2
			024 ⇄ 031	Macro 3
			032 ⇄ 039	Macro 4
			040 ⇄ 047	Macro 5
			048 ⇄ 055	Macro 6
			056 ⇄ 063	Macro 7
			064 ⇄ 071	Macro 8
			072 ⇄ 079	Macro 9
			080 ⇄ 087	Macro 10
			088 ⇄ 095	Macro 11
			096 ⇄ 103	Macro 12
			104 ⇄ 111	Macro 13
			112 ⇄ 119	Macro 14
			120 ⇄ 127	Macro 15
			128 ⇄ 135	Macro 16
			136 ⇄ 143	Macro 17
			144 ⇄ 151	Macro 18
			152 ⇄ 159	Macro 19
			160 ⇄ 167	Macro 20
			168 ⇄ 175	Macro 21
			176 ⇄ 183	Macro 22
			184 ⇄ 191	Macro 23
			192 ⇄ 199	Macro 24
			200 ⇄ 207	Macro 25
			208 ⇄ 215	Macro 26
			216 ⇄ 223	Macro 27
			224 ⇄ 231	Macro 28
			232 ⇄ 239	Macro 29
			240 ⇄ 247	Macro 30
			248 ⇄ 255	Macro 31
	26	P/T Macro Speed	000 ⇄ 255	Fast~Slow
	27	Preset Color	000 ⇄ 021	White
			022 ⇄ 042	Color 1
			043 ⇄ 063	Color 2
			064 ⇄ 085	Color 3
			086 ⇄ 106	Color 4
			107 ⇄ 127	Color 5
			128 ⇄ 148	Color 6
			149 ⇄ 170	Color 7
			171 ⇄ 191	Color 8
			192 ⇄ 212	Color 9
			213 ⇄ 233	Color 10
			234 ⇄ 255	Color 11

Continues on the next page

Features

- 21 or 29-channel DMX control, compact, fully electronic, 300-watt moving yoke spot
- Pan: 540°
- Tilt: 270°
- Color wheel: Seven colors + white
Split/linear colors
Rainbow color spin at variable speed
- Gobo wheel 1: Indexed, rotating gobo wheel with gobo shake
Seven glass, slot-n-lock gobos + open
One multicolor, six black/white
Gobo wheel spin at variable speed
16-bit gobo rotation
- Gobo wheel 2: Indexed gobo wheel
Eight metal + open
Gobo wheel spin at variable speed
- Static frost
- CTC filters (5,600 and 3,200 K)
- CMY color mixing system with vector speed adjustments
- Three-facet rotating prism
- Variable shutter
- Variable iris
- Variable focus
- Variable 16-bit dimming (0~100%)
- Linear zoom (16~35°)
- Individual reset of pan/tilt, color, gobo, shutter, prism, and focus
- Move-in-black for pan/tilt, color, gobo
- Remote fixture reset, lamp on/off, and vector speed adjustments
- Built-in movement macros with range adjustments
- Built-in color macros
- Battery powered display

Additional Features

- Three-pin and five-pin DMX connections
- User-configurable lamp ignition delay
- User-configurable maintenance reminder
- Electronic ballast with power factor correction
- Electronic power supply
- Automatic pan & tilt correction
- Pan & tilt locks
- Lamp & fixture use timers
- Power saver mode

Options

- W-DMX (wireless DMX) receiver
- W-DMX (wireless DMX) transmitter

AC Power

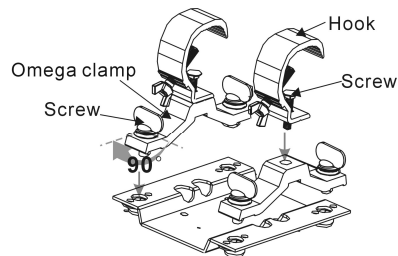
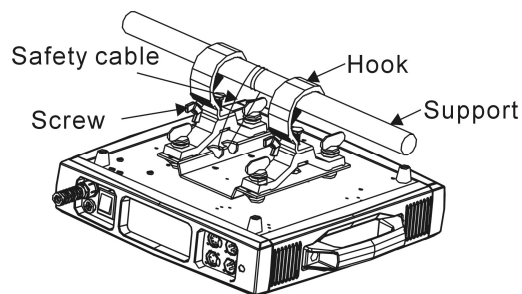
This product has an auto-ranging power supply that can work with an input voltage range of 100~240 VAC, 50/60 Hz.

Fuse Replacement

- 1) Turn the power to the fixture off and disconnect it from the power outlet.
- 2) With a Philips screwdriver, unscrew the fuse holder out of its housing and remove the blown fuse from its holder.
- 3) Replace the blown fuse with a fuse of the exact same type and rating.
- 4) Replace the fuse holder in its place, and reconnect power.

Mounting

Before mounting this product, read the safety notes at the beginning of the corresponding user manual and follow the mounting procedure indicated in it.

**Product Mounting Diagram**

Continued from previous page

MODE 2 (Cont.)

Channel	Function	Value	Percent/Setting
15	R-Gobo 1	000 ⇄ 127	Index
		128 ⇄ 189	Fast~Slow CW rotation
		190 ⇄ 193	Stop
		194 ⇄ 255	Slow~Fast CCW rotation
16	R-Gobo 1 Fine	000 ⇄ 255	0~100%
17	Gobo 2	000 ⇄ 005	Open
		006 ⇄ 010	Gobo 8
		011 ⇄ 015	Gobo 9
		016 ⇄ 020	Gobo 10
		021 ⇄ 026	Gobo 11
		027 ⇄ 031	Gobo 12
		032 ⇄ 036	Gobo 13
		037 ⇄ 041	Gobo 14
		042 ⇄ 047	Gobo 15
		048 ⇄ 057	Gobo 8 Shaking
		058 ⇄ 067	Gobo 9 Shaking
		068 ⇄ 077	Gobo 10 Shaking
		078 ⇄ 087	Gobo 11 Shaking
		088 ⇄ 097	Gobo 12 Shaking
		098 ⇄ 107	Gobo 13 Shaking
		108 ⇄ 117	Gobo 14 Shaking
		118 ⇄ 127	Gobo 15 Shaking
		128 ⇄ 189	Fast~Slow CW rotation
		190 ⇄ 193	Stop
		194 ⇄ 255	Slow~Fast CCW rotation
18	Focus	000 ⇄ 255	Near~Far
19	Zoom	000 ⇄ 255	0~100%
20	Prism	000 ⇄ 008	Normal
		009 ⇄ 255	Prism effect
21	R-Prism	000 ⇄ 127	Index
		128 ⇄ 189	Fast~Slow CW rotation
		190 ⇄ 193	Stop
		194 ⇄ 255	Slow~Fast CCW rotation
22	R-Prism Fine	000 ⇄ 255	0~100%
23	Iris	000 ⇄ 255	100~0%
24	Frost	000 ⇄ 007	Normal
		008 ⇄ 255	Frost

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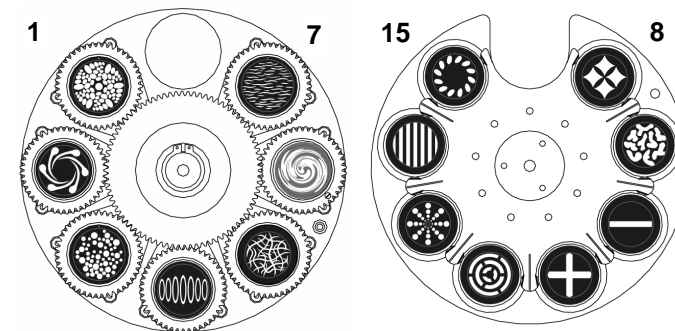
MODE 2

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇄ 255	0~540°
2	Pan Fine	000 ⇄ 255	0~100%
3	Tilt	000 ⇄ 255	0~270°
4	Tilt Fine	000 ⇄ 255	0~100%
5	Pan/Tilt Speed	000 ⇄ 255	Fast~Slow
6	Dimmer	000 ⇄ 255	0~100%
7	Dimmer Fine	000 ⇄ 255	0~100%
8	Shutter	000 ⇄ 007	Black out
		008 ⇄ 015	Open
		016 ⇄ 131	Slow~Fast
		132 ⇄ 167	Slow open / fast close
		168 ⇄ 203	Fast open / slow close
		204 ⇄ 239	Slow open / slow close
		240 ⇄ 247	Random strobe
		248 ⇄ 255	Open
9	Color	000 ⇄ 007	White
		008 ⇄ 015	Red
		016 ⇄ 023	Orange
		024 ⇄ 031	3,200 K
		032 ⇄ 039	5,600 K
		040 ⇄ 047	Pink
		048 ⇄ 055	Green
		056 ⇄ 063	Dark Blue
		064 ⇄ 127	Color Mix
		128 ⇄ 189	Fast~Slow CW rotation
		190 ⇄ 193	Stop
		194 ⇄ 255	Slow~Fast CCW rotation
10	Cyan	000 ⇄ 255	0~100%
11	Magenta	000 ⇄ 255	0~100%
12	Yellow	000 ⇄ 255	0~100%
13	CMY Speed	000 ⇄ 255	Fast~Slow
14	Gobo 1	000 ⇄ 007	Open
		008 ⇄ 014	Gobo 1
		015 ⇄ 021	Gobo 2
		022 ⇄ 028	Gobo 3
		029 ⇄ 035	Gobo 4
		036 ⇄ 042	Gobo 5
		043 ⇄ 049	Gobo 6
		050 ⇄ 057	Gobo 7
		058 ⇄ 067	Gobo 1 Shaking
		068 ⇄ 077	Gobo 2 Shaking
		078 ⇄ 087	Gobo 3 Shaking
		088 ⇄ 097	Gobo 4 Shaking
		098 ⇄ 107	Gobo 5 Shaking
		108 ⇄ 117	Gobo 6 Shaking
		118 ⇄ 127	Gobo 7 Shaking
		128 ⇄ 189	Fast~Slow CW rotation
		190 ⇄ 193	Stop
		194 ⇄ 255	Slow~Fast CCW rotation

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Gobo Wheels

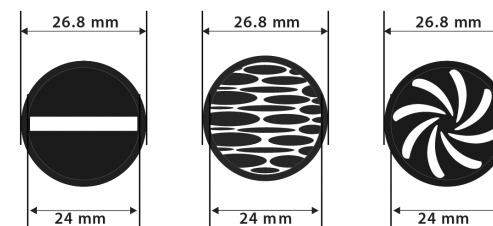
The Legend 300E Spot comes with two gobo wheels. Gobo wheel #1 has seven rotating gobos, while gobo wheel #2 has eight fixed gobos, as indicated below. The diagram shows the first and last gobo on each wheel, as per the *DMX Values* tables.



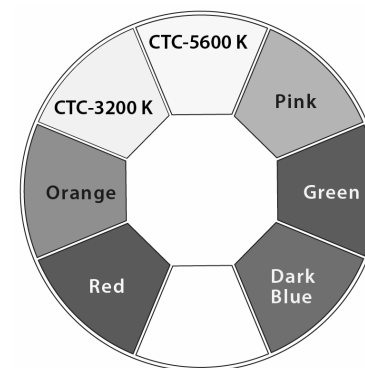
Rotating Gobos

Fixed Gobos

Extra Gobos

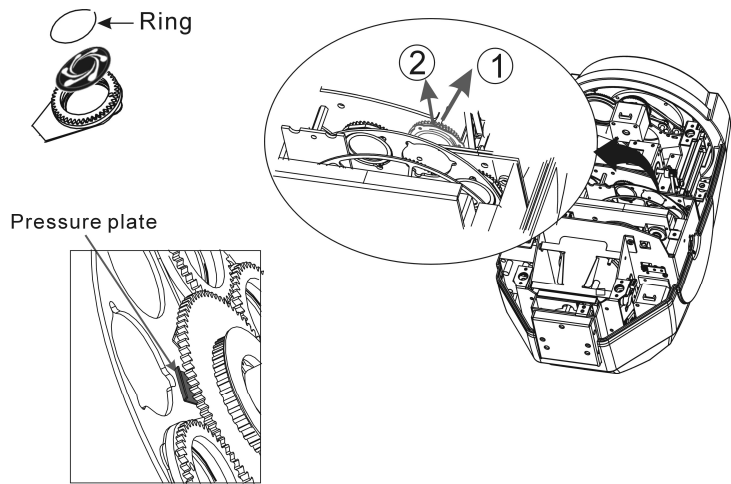


Color Wheel



Replacing a Gobo

- 1) Turn the fixture off and disconnect it from the power outlet.
- 2) Open the head cover by loosening the four fastening screws at the sides of the top cover.
- 3) Separate the gobo plate away from Gobo Wheel 1 by pushing it toward the front of the moving head (direction 1 in the diagram). Be careful not to push the gobo out of the gobo plate.
- 4) Extract the gobo plate 1 by pulling it outward (direction 2 in the diagram).
- 5) On a flat surface, remove the expansion ring that holds the gobo in place and remove the gobo from the gobo plate.
- 6) Insert a new gobo and hold it in place with the expansion ring.
- 7) Slide the tip of the gobo plate under the pressure plate near the center of Gobo Wheel 1.
- 8) Push the gobo plate inwards. DO NOT force the gobo plate into the gobo wheel slot. If correctly installed, the gobo plate should accommodate itself in the gobo wheel slot.



Continued from previous page

MODE 1 (Cont.)

Channel	Function	Value	Percent/Setting
15	Focus	000 ⇄ 255	Near~Far
16	Zoom	000 ⇄ 255	0~100%
17	Prism	000 ⇄ 008 009 ⇄ 255	Normal Prism effect
18	R-Prism	000 ⇄ 127 128 ⇄ 189 190 ⇄ 193 194 ⇄ 255	Index Fast~Slow CW rotation Stop Slow~Fast CCW rotation
19	Iris	000 ⇄ 255	0~100%
20	Frost	000 ⇄ 255	0~100%
21	Function	000 ⇄ 069 070 ⇄ 079 080 ⇄ 089 090 ⇄ 099 100 ⇄ 109 110 ⇄ 119 120 ⇄ 129 130 ⇄ 139 140 ⇄ 149 150 ⇄ 159 160 ⇄ 169 170 ⇄ 179 180 ⇄ 189 190 ⇄ 199 200 ⇄ 209 210 ⇄ 229 230 ⇄ 239 240 ⇄ 249 250 ⇄ 255	No function Enable BO during Pan or Tilt Disable BO during Pan or Tilt Enable BO during color change Disable BO during color change Enable BO during gobo change Disable BO during gobo change Lamp on Pan / Tilt reset Color / CMY reset Gobo 1 / Gobo 2 reset Shutter reset Focus / zoom. / prism / frost reset Iris / flatb reset Reset all No function Lamp off Enable flatb Disable flatb

End of Mode 1

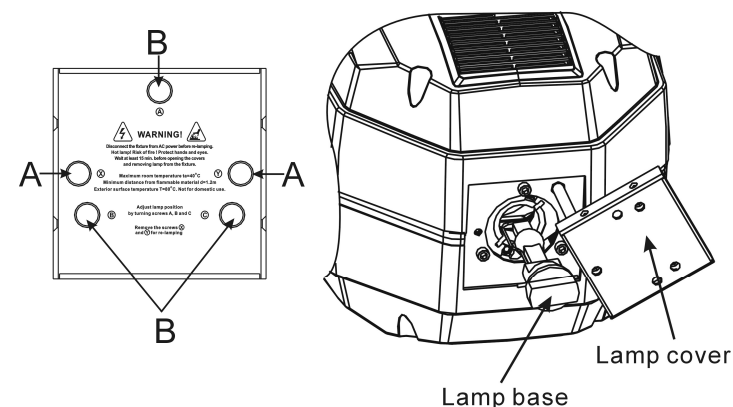
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MODE 1 (Cont.)		Channel	Function	Value	Percent/Setting
8	Color (Cont.)			064 ⇔ 127	Color Mix
				128 ⇔ 189	Fast~Slow CW rotation
				190 ⇔ 193	Stop
				194 ⇔ 255	Slow~Fast CCW rotation
9	Cyan			000 ⇔ 255	0~100%
10	Magenta			000 ⇔ 255	0~100%
11	Yellow			000 ⇔ 255	0~100%
12	Gobo 1			000 ⇔ 007	Open
				008 ⇔ 014	Gobo 1
				015 ⇔ 021	Gobo 2
				022 ⇔ 028	Gobo 3
				029 ⇔ 035	Gobo 4
				036 ⇔ 042	Gobo 5
				043 ⇔ 049	Gobo 6
				050 ⇔ 057	Gobo 7
				058 ⇔ 067	Gobo 1 Shaking
				068 ⇔ 077	Gobo 2 Shaking
				078 ⇔ 087	Gobo 3 Shaking
				088 ⇔ 097	Gobo 4 Shaking
				098 ⇔ 107	Gobo 5 Shaking
				108 ⇔ 117	Gobo 6 Shaking
				118 ⇔ 127	Gobo 7 Shaking
				128 ⇔ 189	Fast~Slow CW rotation
13	R-Gobo 1			190 ⇔ 193	Stop
				194 ⇔ 255	Slow~Fast CCW rotation
				000 ⇔ 127	Index
				128 ⇔ 189	Fast~Slow CW rotation
14	Gobo 2			000 ⇔ 005	Open
				006 ⇔ 010	Gobo 8
				011 ⇔ 015	Gobo 9
				016 ⇔ 020	Gobo 10
				021 ⇔ 026	Gobo 11
				027 ⇔ 031	Gobo 12
				032 ⇔ 036	Gobo 13
				037 ⇔ 041	Gobo 14
				042 ⇔ 047	Gobo 15
				048 ⇔ 057	Gobo 8 Shaking
				058 ⇔ 067	Gobo 9 Shaking
				068 ⇔ 077	Gobo 10 Shaking
				078 ⇔ 087	Gobo 11 Shaking
				088 ⇔ 097	Gobo 12 Shaking
				098 ⇔ 107	Gobo 13 Shaking
				108 ⇔ 117	Gobo 14 Shaking
				118 ⇔ 127	Gobo 15 Shaking
				128 ⇔ 189	Fast~Slow CW rotation
				190 ⇔ 193	Stop
				194 ⇔ 255	Slow~Fast CCW rotation

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Replacing the Lamp

- 1) Turn the fixture off and disconnect it from the power outlet.
- 2) Wait at least 15 minutes for the lamp to cool down.
- 3) Loosen the two screws on the lamp cover (marked “A” in the diagram).
- 4) Lift and rotate the lamp cover as per the diagram to expose the base of the lamp.
- 5) Rotate the ceramic base of the lamp 90° counterclockwise.
- 6) Pull the lamp out by holding it from its base only.
- 7) Insert the new lamp and turn it 90° clockwise.
- 8) Reverse steps 3 and 4.
- 9) Use the adjustment screws (marked “B” in the diagram) to position the lamp in the center of the reflector to obtain the best output.



Increasing the Lamp's Life

- ALWAYS turn the lamp off by using the DMX controller or the fixture's control panel. Then wait at least five minutes before switching off the fixture. This will keep the fans running to extract any remaining heat from the fixture's head.
- DO NOT power cycle the fixture unless it is necessary.
- DO NOT touch the lamp without wearing gloves to avoid leaving grease on the bulb or on the contacts that could reduce the lamp's life.
- ALWAYS change the lamp when it has reached its recommended lifespan to avoid the risk of lamp explosion.

Menu Options

Main Level	2 nd Level	3 rd Level	4 th Level
DMX Functions	DMX Address	001~512	N/A
	DMX Channel Mode	Mode 1 (21-channel)	
		Mode 2 (29-channel)	
	View DMX Value	N/A	No/Yes
	WDMX Setting (Requires optional W-DMX receiver)	Active	
		Retransmit	
	Reset Memory		
Fixture Setting	Pan Inverse	No/Yes	N/A
	Tilt Inverse		
	Bl. o P/T Moving		
	Bl. O Color Change		
	Bl. O Gobo Change		
Lamp Setting	On/Off	On/Off	N/A
	State/Power On	No/Yes	
	Off Via DMX		
	On if DMX On		
	Off if DMX Off		
	Cooling Mode	Auto/High	
	Ignition Delay	0~255 s	
	Low Power Delay	0~255 s	
Display Setting	Display Inverse	No/Yes	N/A
	Backlight Auto Off		
	Backlight Intensity	1~10	
	Temperature Unit	°C/°F	
Fixture Test	Auto Test	N/A	N/A
	Manual Test		
Fixture Information	Fixture Use Time	N/A	N/A
	Lamp On Time	Exit/Rest Time	
	Firmware Version	N/A	
Reset Functions	Pan/Tilt	No/Yes	N/A
	Color/CMY		
	Gobo		
	Shutter/Dimmer		
	Focus/Zoom/Prism/Frost		
	Iris/Flatb		
	All		
Special Functions	Fixture Maintenance	Interval/Remain Time	N/A
	Factory Setting	No/Yes	

Offset Menu

Pan	-128~127	R-Gobo 2	-128~127
Tilt	-128~127	Gobo 2	-128~127
Shutter	0~255	Prism	0~255
Dimmer	0~255	R-Prism	-128~127
Color	-128~127	Frost	0~255
Cyan	0~255	Flatb	0~255
Magenta	0~255	Focus	0~255
Yellow	0~255	Zoom	0~255
Gobo 1	-128~127		

Control Panel Description

Button	Function
<MENU>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value into the selected function
<UP>	Navigates upwards through the menu list and increases the numeric value when in a function
<DOWN>	Navigates downwards through the menu list and decreases the numeric value when in a function

DMX Values

MODE 1

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇄ 255	0~540°
2	Pan Fine	000 ⇄ 255	0~100%
3	Tilt	000 ⇄ 255	0~270°
4	Tilt Fine	000 ⇄ 255	0~100%
5	Pan/Tilt Speed	000 ⇄ 255	Fast~Slow
6	Dimmer	000 ⇄ 255	0~100%
7	Shutter	000 ⇄ 007	Black out
		008 ⇄ 015	Open
		016 ⇄ 131	Slow~Fast
		132 ⇄ 167	Slow open/Fast close
		168 ⇄ 203	Fast open/Slow close
		204 ⇄ 239	Slow open/Slow close
		240 ⇄ 247	Random strobe
8	Color	248 ⇄ 255	Open
		000 ⇄ 007	White
		008 ⇄ 015	Red
		016 ⇄ 023	Orange
		024 ⇄ 031	3,200 K
		032 ⇄ 039	5,600 K
		040 ⇄ 047	Pink
		048 ⇄ 055	Green
		056 ⇄ 063	Dark Blue

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